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SCOPIA® INFRASTRUCTURE

SCOPIA Elite 5100 Series MCU

Installation Guide

Version 7.5

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Installation Guide for SCOPIA Elite 5100 Series MCU Version 7.5, November 2010

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1 About SCOPIA Elite 5100 Series

SCOPIA Elite 5100 Series enables multiparty multimedia conferencing services for group conferencing, distance learning, training and video telephony.

The SCOPIA Elite 5100 Series consists of a 1U chassis that contains one Media Blade board.

Figure 1-1 Front Panel of the SCOPIA Elite 5100 Series

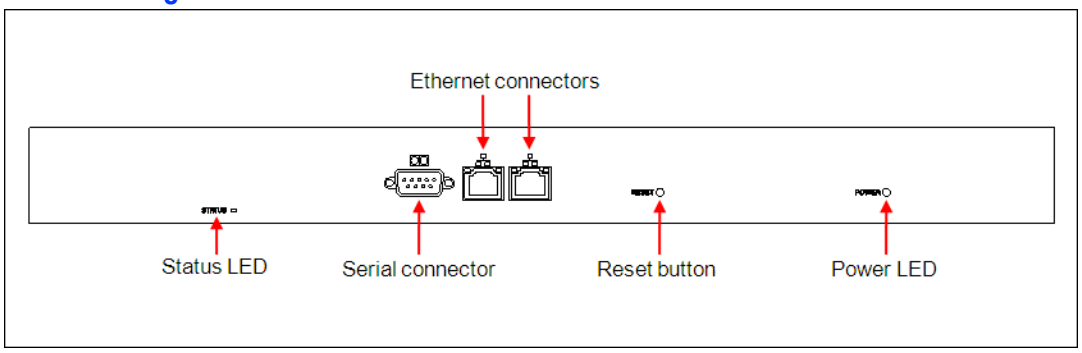


Table 1-1 Chassis Main Features

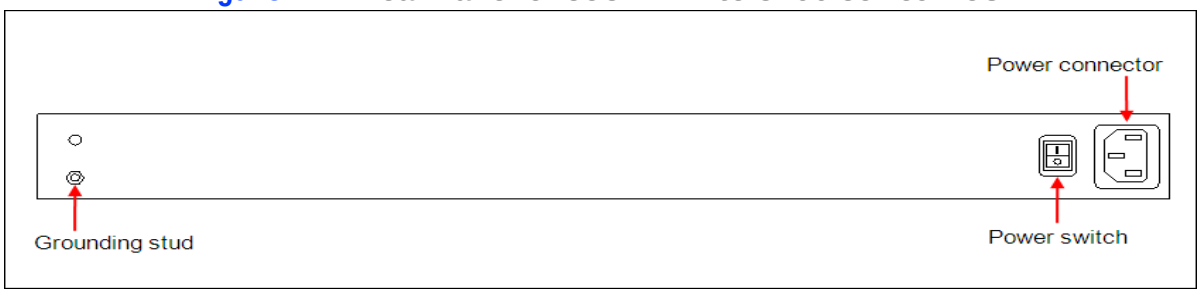
Grounding and electrostatic discharge	The chassis includes an external grounding 4mm stud as per the TUV requirement).
Cooling	The chassis supports a single failed fan in the fan tray.
Power supply	• AC power supply as the default choice. • Universal 90-264 VAC power ports.AC power entry includes regular IEC320-C14 filtered AC inlet and double pole switch located in the rear. • Thermal shutdown if the unit heats up beyond its limits.

Table 1-2 SCOPIA Elite 5100 Series Features

Component	Description
STATUS LED	Lights green to indicate normal operation. Lights red to indicate that an error has occurred and that the Media Blade requires resetting.
Serial connector	A DB-9 connector that allows you to connect a PC terminal for local configuration, maintenance and debugging.
100/1000 BASE-T Ethernet connectors	RJ-45 connectors that provide the primary LAN connection for the IP network port.
Ethernet connector Link/Activity LEDs	The top part of each Ethernet connector contains two LED indicators. The right LED lights green when the local IP network link is active. The left LED lights green if the connection speed reaches 1000 Mbps, and lights orange if the connection speed reaches 100 Mbps.
RESET button	Allows you to reset the Media Blade manually.
Power LED	Lights green to indicate that the power is turned on.

The rear panel is used for connecting the power cable, powering on and off the MCU, and for grounding the chassis.

Figure 1-2 Rear Panel of SCOPIA Elite 5100 Series MCU



2 How to Prepare for SCOPIA Elite 5100 Series MCU Installation

Perform procedures in this section to prepare the site and the SCOPIA Elite 5100 Series MCU chassis for installation.

- About Site Preparation ..... page 3
- Unpacking the SCOPIA Elite 5100 Series..... page 4
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About Site Preparation

Prior to installing the SCOPIA Elite 5100 Series MCU, you need to verify that your site is suitable for the MCU. Read this section to learn about the product technical specifications and site requirements. Ensure to make necessary changes in case you find that the site does not meet any of the requirements described in this section.

Power system:

- Input: 90-264VAC
- Power supply: single 400W AC supply
- Max. power consumption: DC 335W (50°C) AC 392VA (50°C)
- Heat dissipation: 1145 BTU/Hr (50°C)

Mechanical characteristics:

- Chassis size (W×H×D): 448mm×44mm×480mm (17.6"×1.73"×18.9")
- Rack mount size: 1U×482.6 mm (19")
- Weight: ~13kg (~28.7Lbs)

Environmental requirements:

- Operating Temperature: 0 C° to 45 C° (32 F to 113 F)
- Humidity: 5% to 90% non-condensing

- Storage and transit temperature: -25 C° to 70 C° (-13 F to 158 F), ambient
- Acoustics 56dBA

Unpacking the SCOPIA Elite 5100 Series

We strongly recommend that you follow safety guidelines described in this section during MCU unpacking.

Procedure

Step 1 Inspect the shipping box to verify that it is not seriously damaged during shipping.

Step 2 Place the shipping box on a horizontal surface paying attention to the This Side Up symbol on the shipping box.

Figure 2-1 This Side Up Symbol

Note: The accessories kit is situated on top of the MCU unit inside the shipping box and can be damaged if the box is placed upside down. Pay attention to the This Side Up symbol on the shipping box to handle the box correctly at all times.

Note: To prevent injury and equipment damage, follow lifting guidelines described in the Safety Guide when lifting or moving the shipping box.

Step 3 Cut the plastic straps.

> **Note:** The plastic straps are tightly stretched and can hit you when you cut them. To avoid this, make sure you do not face the side of the box secured by the straps before you cut the straps.

Step 4 Cut the strapping tape.

Step 5 Open the shipping box.

Step 6 Take the accessories kit out of the shipping box.

Step 7 Take the MCU unit out of the shipping box.

Step 8 Carefully open the additional boxes, remove the packing material, and remove the drives and other contents.

> **Note:** We recommend that you keep the packaging materials in case you need to repack the unit.

Verifying the Contents

After opening the shipping box, you need to verify the shipment is complete.

Compare the contents of the shipment with your packing list.

Inspecting for Damage

After you verify that all of the equipment is included, carefully examine the CDEs, cards, power supplies, and cables for any damage resulting from shipping. If you suspect any damage from shipping, contact your local freight carrier for procedures on damage claims. If you observe any physical defects in the items you ordered, contact RADVISION Technical Support for Return Material Authorization (RMA) form.

> **Note:** Before proceeding with the installation, verify that all of the ordered parts are present and in good condition. Keep a record of the parts and serial numbers. If any parts are missing or damaged, contact your sales representative.

3 Setting up the SCOPIA Elite 5100 Series MCU

- Attaching Mounting Brackets on the SCOPIA Elite 5100 Series MCU ..... page 6
- Chassis Lifting Guidelines ..... page 7
- What to Consider Before Installing the Brackets ..... page 7
- Installing the Brackets ..... page 8
- Rack Mounting the SCOPIA Elite 5100 Series MCU ..... page 9
- Attaching the System Ground ..... page 10
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- Connecting Cables to the SCOPIA Elite MCU ..... page 11
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Attaching Mounting Brackets on the SCOPIA Elite 5100 Series MCU

The MCU mounting kit includes the integral mounting brackets and screws necessary for performing this procedure.

Attach mounting brackets so that they are aligned with the MCU front panel as shown in Figure 3-1

Figure 3-1 SCOPIA Elite MCU Chassis

Chassis Lifting Guidelines

A fully configured SCOPIA Elite 5100 Series MCU chassis weighs approximately 28.7lbs. (13kg.). The chassis is not intended to be moved frequently. Before you install the MCU, ensure that your site is properly prepared, so you can avoid having to move the chassis later to accommodate for power sources and network connections.

Whenever you lift the chassis or any heavy object, follow these guidelines:

- Always disconnect all external cables before lifting or moving the chassis.
- Do not attempt to lift the chassis by yourself; have someone assist you.
- Ensure that your footing is solid, and balance the weight of the object between your feet.
- Lift the chassis slowly; never move suddenly or twist your body as you lift.
- Keep your back straight and lift with your legs, not your back. If you must bend down to lift the chassis, bend at the knees, not at the waist, to reduce the strain on your lower back muscles.

Lift the chassis from the bottom. Grasp the underside of the chassis exterior with both hands.

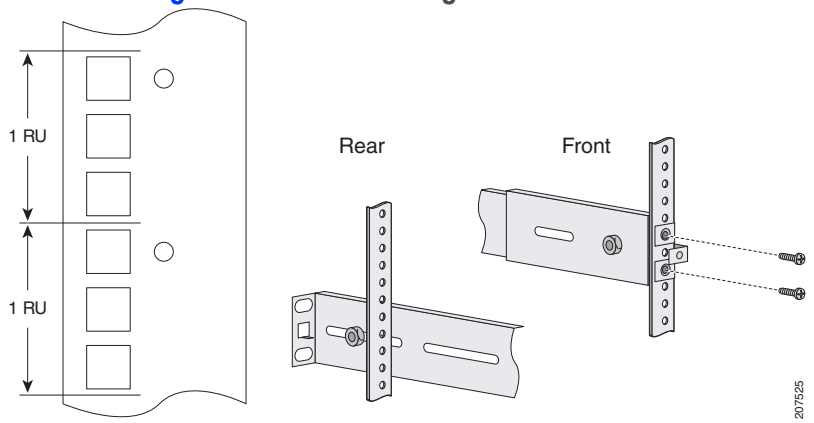
What to Consider Before Installing the Brackets

When planning your rack installation, consider the following guidelines:

- Install the SCOPIA Elite 5100 Series MCU in an open rack whenever possible. If installation in an enclosed rack is unavoidable, ensure that the rack has adequate ventilation.
- Avoid placing the MCU in an overly congested rack or directly next to another equipment rack. Otherwise, the heated exhaust air from other equipment can enter the inlet air vents and cause the MCU to overheat.
- The height of the chassis is 1.73 inches (44mm).
- Maintain a minimum clearance of 3 inches (7.62 cm) on the left and right of the chassis for the cooling air inlet and exhaust vents.
- Allow sufficient clearance around the rack for maintenance. If the rack is mobile, you can push it back near a wall or cabinet for normal operation and pull it out when necessary for maintenance (installing or moving port adapters, connecting cables, or replacing or upgrading components). Otherwise, allow 19 inches (48.3 cm) of clearance to remove MCU Field Replaceable Units.

You must install the side rails into a rack with square or round holes:

Figure 3-2 Mounting Holes on Rack



Note: If you mount the side rails in holes that are not vertically aligned from side to side, you can damage the unit.

Procedure

Step 1 On the left and right uprights, determine the vertical position in the rack where the unit will be installed.

Step 2 The unit height is 1U. Measure the distance between mounting holes and insert the cage nuts accordingly.

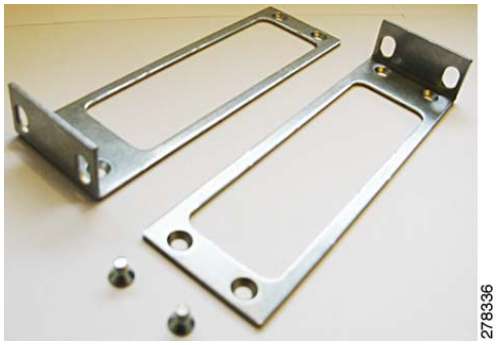
Step 3 Ensure the port adapter latch is in the locked position and the screw is tightened.

Step 4 Ensure the rack breaks are locked or the rack is stabilized.

Mount Kit Description

The SCOPIA Elite MCU Rack Mounting Kit contains brackets and screws as shown in Figure 3-3.

Figure 3-3 SCOPIA Elite MCU Rack Mounting



Rack Mounting the SCOPIA Elite 5100 Series MCU

After you have installed the brackets to form a shelf, you can now mount the MCU chassis. Before mounting the chassis, read the safety guidelines described in the Safety Guide for the MCU.

To rack mount the Cisco Unified Videoconferencing 5000 Series MCU chassis, you need:

- Installed brackets in the location on the rack in which to mount the chassis, as explained in Installing the Brackets page HIDDEN.
- A Cisco Unified Videoconferencing 5000 Series MCU chassis.
- Two people: This is not a one-person task.

Note: If you mount the chassis in holes that are not vertically aligned from side to side, you can damage the unit.

Procedure

Step 1 Lift the Cisco Unified Videoconferencing 5000 Series MCU chassis according to the instructions in the Chassis Lifting Guidelines page 7.

Step 2 Ensure the front of the chassis faces front and place the chassis on the shelf brackets.

Step 3 Locate one person at the front of the rack and one at the rear.

Step 4 Position the chassis so that the "L" brackets are inserted into the chassis mounting brackets.

Step 5 While one person supports the weight of the chassis, the other person must adjust the "L" brackets to fit tightly into the chassis brackets.

Step 6 Slide the chassis toward the front of the rack until the front of the chassis mounting brackets contact the rear of the center posts.

Step 7 Using the rack screws, attach the front of the mounting brackets to the front of the center posts.

Step 8 Tighten all screws.

Attaching the System Ground

Before connecting power or turning on power to the SCOPIA Elite 5100 Series MCU, it strongly recommend that you provide an adequate chassis ground (earth) connection for the chassis.

You must use size 18 AWG (1 mm^2) or larger wire, and an appropriate user-supplied ring terminal.

Note: This equipment must be grounded. Never defeat the ground conductor or operate the equipment in the absence of a suitably installed ground conductor. Contact the appropriate electrical inspection authority or an electrician if you are uncertain that suitable grounding is available.Connect the AC power receptacle to the AC power source with the provided power cable.

Shelf Mounting the SCOPIA Elite 5100 Series MCU

During the shelf mounting procedure you must secure the MCU in its position on a shelf to prevent it from moving around on the shelf or falling.

Procedure

Step 1 Verify that the shelf you want to use is properly mounted and secured.

Step 2 Verify that the shelf can support the MCU weight.

Step 3 Fix the integral mounting brackets of the MCU to the shelf rails.

Follow the safety guidelines described in the Safety Guide for the SCOPIA Elite MCU during this procedure, and use the network and the serial cables supplied with the accessories kit.

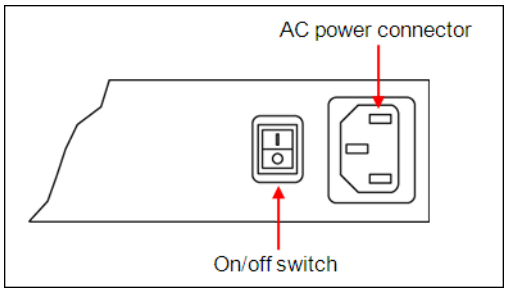
Procedure

Step 1 Connect the power cable:

a. Turn off the power distribution unit (PDU).

b. On the rear side of the MCU, plug in the power cable into the AC power connector.

Figure 3-4 The AC Power Connector and Power Switch of the SCOPIA Elite MCU

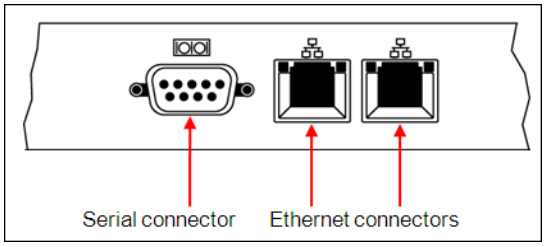


c. On the rear side of the MCU, power on the MCU using the On/Off switch.

d. Turn on the power distribution unit (PDU).

Step 2 On the front side of the MCU, connect the MCU to the switch by plugging a network cable into one of the Ethernet connectors.

Figure 3-5 The Serial and Ethernet Connectors of the SCOPIA Elite 5100 Series



Note: Both ethernet connectors are used in dual-NIC deployments. A dual-NIC MCU raises security by using different subnets for media and management. Use the left ethernet connector for management and the right connector for media. For more information, see Configuring a Dual-NIC MCU page 24.

Step 3 Connect the console to the MCU by plugging the serial cable into the serial connectors on the console and the front side of the MCU.

After you installed the MCU and performed the initial configuration of it, you need to verify that MCU is installed and configured correctly.

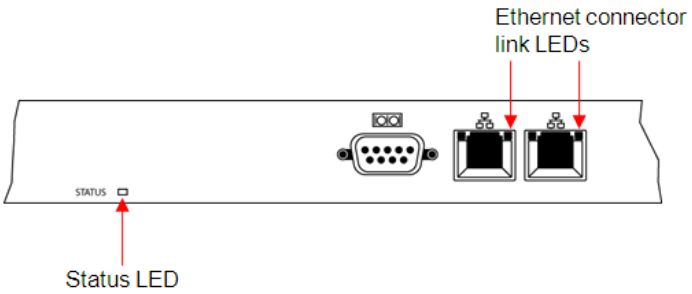
Procedure

Step 1 On the front panel, verify that the POWER LED is lit green.

Step 2 On the front panel, verify that the STATUS LED is lit green.

Step 3 Check the network connection by verifying that the right LED on the Ethernet connector is lit green.

Figure 3-6 The MCU Front Panel LEDs



Step 4 Verify that the MCU is ready to be used by creating a conference:

a. From an endpoint dial the MCU IP address.

You access the MCU auto attendant service which plays the video and audio prompts.

b. Press 0 to create a new conference.

c. At a prompt, enter the meeting ID and press #.

The MCU creates the conference and you see the Conference window.

d. Exit the conference by disconnecting the call.

4 Performing Initial Configuration of the SCOPIA Elite MCU

When you finished installing the MCU, you need to perform the initial configuration during which you configure the basic features. After the initial configuration the MCU should be ready for use.

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- Accessing the SCOPIA Elite 5100 Series MCU Administrator Interface ..... page 15
- Changing a User Password ..... page 16
- Changing SCOPIA Elite 5100 Series MCU Service Prefix ..... page 16
- Setting the MCU's User Interface Language ..... page 18
- Setting a Text Overlay Language ..... page 19
- Configuring Protocols for the SCOPIA Elite MCU ..... page 20
- Configuring a Dual-NIC MCU ..... page 24

Setting the IP Address

You use the serial port on the SCOPIA Elite 5100 Series MCU front panel to assign a new IP address to your MCU. You must assign the IP address before you connect the MCU to the network.

Before You Begin

Make sure you have these items:

- Dedicated IP address for the MCU
- Dedicated subnet mask for the MCU
- IP address of the default router the MCU uses to communicate over the network
- PC with available serial port and terminal emulator software installed
- Serial cable

Procedure

Step 1 Connect the power cable.

Step 2 Start the terminal emulation application on the PC.

Step 3 Set the communication settings in the terminal emulation application on the PC as follows:

- Baud rate: 9600
- Data bits: 8
- Parity: None
- Stop bits: 1
- Flow control: None

Step 4 Turn on the power to the MCU.

A log of the auto-boot events scrolls across the computer monitor.

Step 5 When the message “Press any key to start configuration” appears on the screen, press any key within 10 seconds.

The network configuration Main menu appears:

```
Main menu
N: Configure network port values
P: Change the configuration software password
S: Configure network security mode
T: Configure TFTP servers list
A: Advanced configuration menu
Q: Quit
```

> **Note:** If you do not press a key before the countdown ends, the device continues its initialization and you will need to reboot the device to return to the network configuration Main menu.

Step 6 Enter N at the prompt to configure default network port values and press **Enter**.

Step 7 Enter 2 to change the network configuration.

Step 8 Enter N at the prompt to enable IPv6 in addition to IPv4.

Step 9 Enter N at the prompt to enable IP separation.

Step 10 Enter the IP address you want to assign to the MCU at the Management IP address prompt and press **Enter**.

Step 11 Enter the subnet mask without leading zeros at the Enter IP Mask for default device prompt and then press **Enter**.

If you are not using a subnet mask, press **Enter**.

Step 12 Press **Enter** at the Preferred DNS prompt.

Step 13 Press **Enter** at the Alternate DNS prompt.

Step 14 Press **Enter** at the DNS suffix prompt.

Step 15 Allow the unit to complete the reboot process. A new emulator session begins.

Step 16 Close the terminal emulator session.

Accessing the SCOPIA Elite 5100 Series MCU Administrator Interface

The MCU interface is available in these languages:

- English
- Chinese
- Japanese
- Portuguese
- Spanish
- Russian

The default language of the MCU interface is English. When you access the MCU interface, the login screen is in English unless you choose a different language.

Procedure

Step 1 Launch your browser and enter the IP address or the name of the MCU.

Step 2 If you need to change the MCU interface language, select a language from the Language list.

The login screen is displayed in the language you selected.

Step 3 Enter the Administrator user name and password in the appropriate fields and select **Go**.

The default global user name is admin. The default password is password.

Note: If you try to sign in as an Administrator and another Administrator is currently signed in, the MCU signs you in as a Read only user. The words “Read Only” appear at the top of the window and a pop-up displays the IP address of the Administrator already signed in. Read only users cannot edit MCU settings.

Changing a User Password

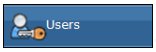
Only administrators can change a password.

The SCOPIA Elite 5100 Series MCU comes with two preconfigured users: an administrator and an operator. The password for both preconfigured users is ‘password’. We highly recommend that you change the default user password for security.

You can change a user password at any time.

Procedure

Step 1 Access the MCU Administrator interface.

Step 2 Select **Users** 

.

Step 3 Select the **Review** button for the user profile you want to modify.

Step 4 Enter the new password in the **Password** and the **Confirm Password** fields.

Step 5 Select **Apply**.

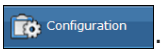
Changing SCOPIA Elite 5100 Series MCU Service Prefix

The MCU comes with a single predefined default service (with prefix number 71). The predefined service is factory tuned to be suitable in most cases for audio and video calls. We recommend starting with this service and modifying it as necessary to suit your needs.

You can modify existing prefixes to suit your network dialing plan or define new services and add them to the list.

You must ensure that the service prefix numbers are not identical to the first digits of any of your network endpoint phone numbers or aliases.

Procedure

Step 1 Select **Configuration** 

.

Step 2 Select **Conferences**.

Step 3 Locate the Services list section.

Step 4 Select the **Review** button next to the service.

Step 5 Enter the new prefix number.

Step 6 Select **Apply**.

How to Set the MCU's Interface Languages

- About Supported Languages ..... page 17
- Setting the MCU's User Interface Language ..... page 18
- Setting a Text Overlay Language ..... page 19

About Supported Languages

SCOPIA Elite MCU has three user interfaces:

- Administrator interface—the web-based interface used by administrators for configuration and maintenance tasks.
- Conference Control interface—the web-based interface used by administrators and operators for conference moderation and video layout control.
- Text overlay on conference video—the set of menus that appear in the conference video.

SCOPIA Elite MCU supports the same languages for the Administrator and Conference Control interfaces, and a different set of languages for the text overlay.

Table 4-1 Supported Languages in the MCU Interface

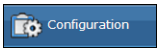
Language	Administrator Interface	Conference Control Interface	Text Overlay on Conference Video
English	*	*	*
Chinese (simplified)	*	*	*
Japanese	*	*	*
Portuguese	*	*	
Spanish	*	*	
Russian	*	*	
Hebrew			*

Setting the MCU's User Interface Language

The procedure in this section explains how to set the language of the MCU Administrator interface and the Conference Control interface. By default, the interface language is set to English.

Note: To view Chinese or Japanese fonts properly in the Administrator interface, the computer on which the web browser is running must support the relevant languages. On a Microsoft Windows operating system, you can set the default language in Control Panel > Regional and Language Options.

Procedure

Step 1 Select **Configuration** 

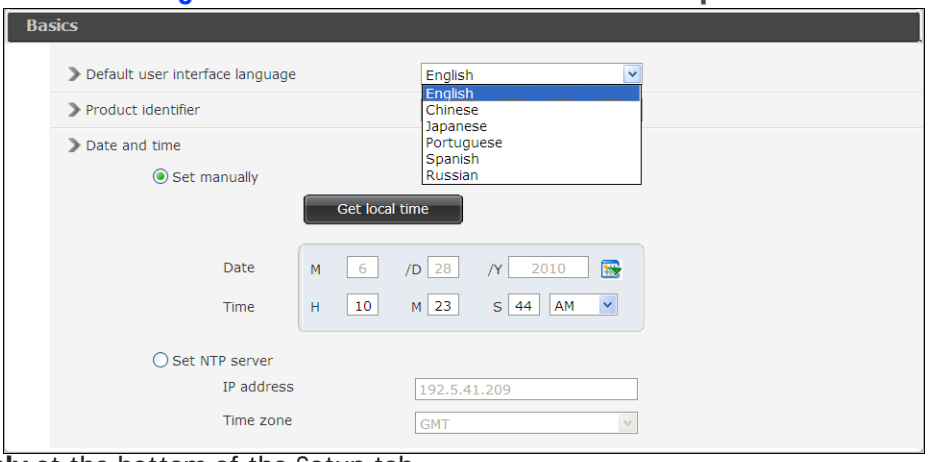
in the MCU user interface.

The **Setup** tab is displayed.

Step 2 Locate the Basics section.

Step 3 Select a language in the Default user interface language list.

Figure 4-1 Basics Section of the Setup Tab

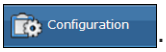


Step 4 Select **Apply** at the bottom of the Setup tab.

Setting a Text Overlay Language

Perform the procedure in this section to set the language of the text overlay messages. The text overlay feature is set to English by default.

Procedure

Step 1 Select **Configuration** 

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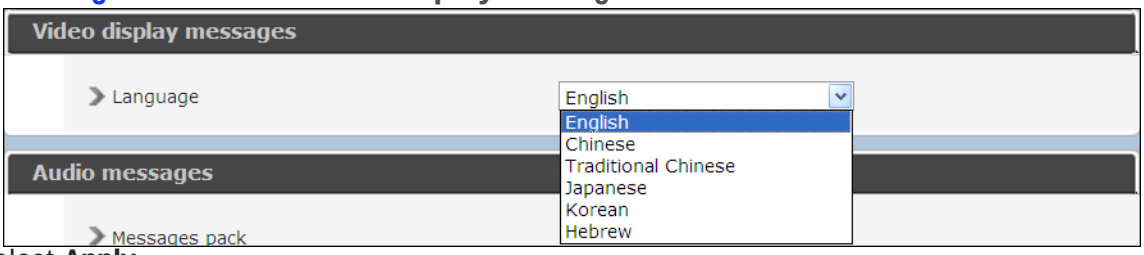
Step 2 Select **Customization**.

Step 3 Select the required language.

Figure 4-2 The Video display messages Section of the Customize Tab



Step 4 Select **Apply**.

Configuring Protocols for the SCOPIA Elite MCU

Set the MCU protocols by configuring it to work either with the H.323 gateway or with the SIP Proxy Server, or with both. You can change the protocol-related settings at any time without resetting the MCU.

- Configuring H.323 Protocol Settings..... page 20
- Configuring SIP Server Settings ..... page 21

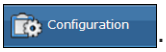
Configuring H.323 Protocol Settings

You can configure the H.323 protocol settings to set how the MCU and the gatekeeper interact.

Note

- Changing gatekeeper settings does not reset the MCU, but might disconnect active calls.
- You do need to reset the MCU to disable support for the H.323 protocol.

Procedure

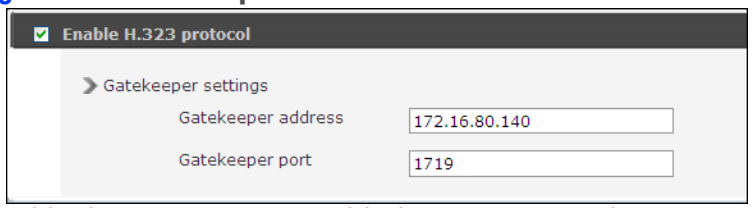
Step 1 Select **Configuration** 

.

Step 2 Select **Protocols** .

Step 3 Locate the H.323 section.

Figure 4-3 H.323 protocol Section of the Protocols Tab



Step 4 Select **H.323** to enable the MCU to operate with the H.323 protocol.

Step 5 Enter the IP address and port number for the gatekeeper.

The default port is 1719.

Step 6 Select **Apply**.

Step 7 Check the MCU status using the MCU Administrator interface:

a. Enter the MCU IP address or the MCU name into the Internet browser.

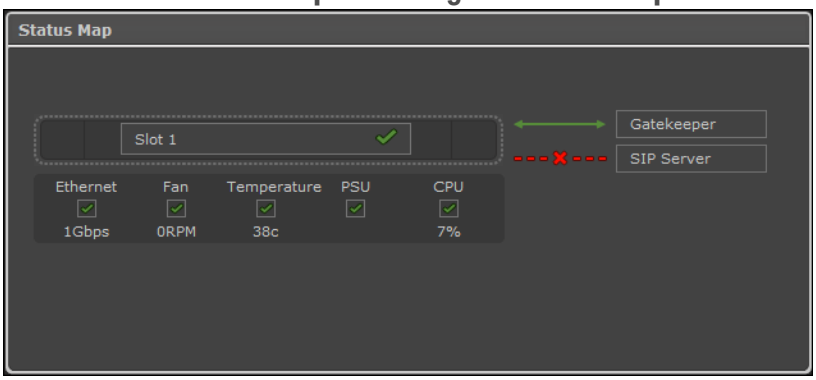
b. Enter the Administrator user name and password in the appropriate fields and select **Go**.

The default global user name is admin. The default password is password.

The Status tab of the Administrator interface opens.

c. Locate the **Status Map** section. This section is a graphic representation of the MCU chassis

Figure 4-4 The Status Map Showing the Gatekeeper Connection



d. Verify that the MCU is connected to the Ethernet.

e. Verify that the MCU is connected to the Gatekeeper.

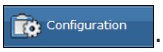
Configuring SIP Server Settings

You can configure settings for SIP server profiles which set how the SCOPIA Elite 5100 Series MCU and the registrar interact.

Depending on connection types supported by the SIP server, MCU supports these transport connection types for sending messages to SIP server:

- UDP
- TCP
- TLS

Procedure

Step 1 Select **Configuration** 

.

Step 2 Select **Protocols**.

Step 3 Select **Enable SIP protocol** to enable MCU communication with the SIP server.

Step 4 Enter the SIP domain of the MCU in the **Default SIP domain** field as defined in the SIP server.

An example of a SIP domain is company.com.

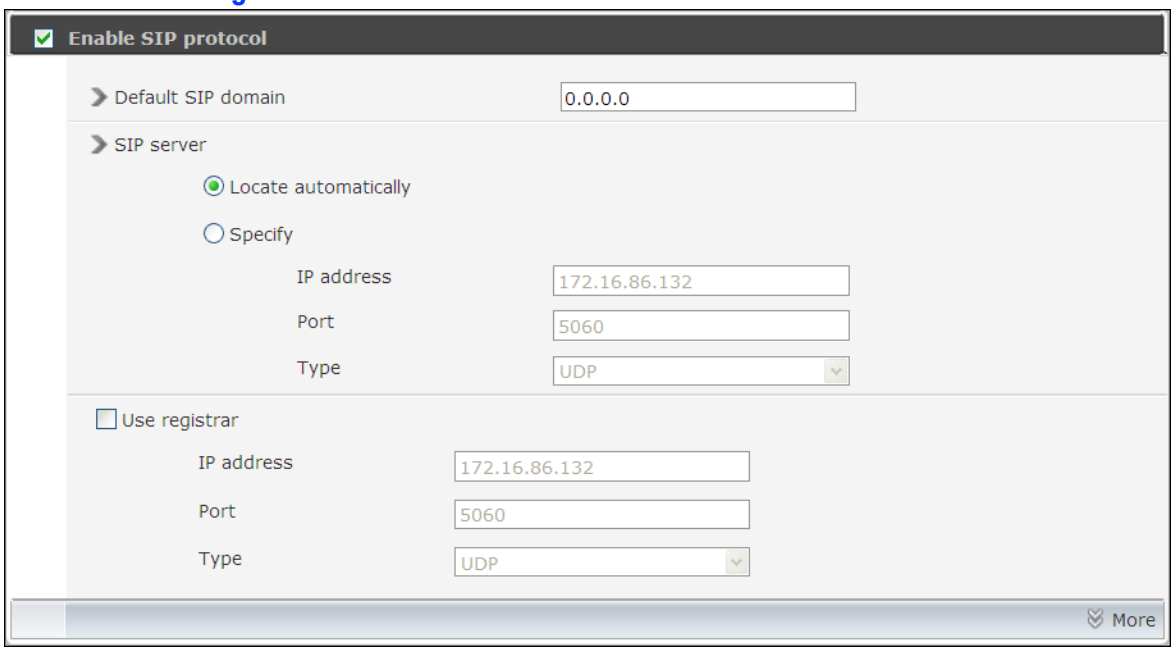
Step 5 Select **Locate automatically** to instruct the MCU to automatically locate one of the SIP servers that are present in the domain,

or

Select **Specify** and enter the following:

- An IP address or host name of the SIP server, for example <sipserver>.<company>.com.

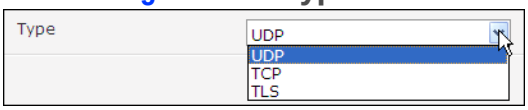
Figure 4-5 SIP Protocol Section of the Protocols Tab



- The communication port number of the SIP server address. The default port is 5060.
- The transport connection type.

  The default is UDP.

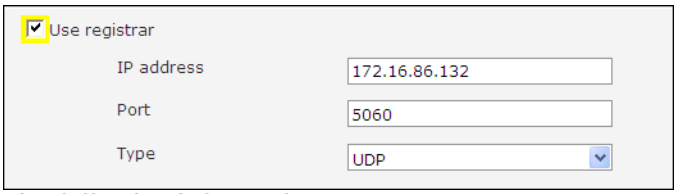
Figure 4-6 Type List



Note: The Locate automatically option works only if you have configured a valid IP address at Configuration > Setup > Network > DNS server1 or DNS server2.

Step 6 To instruct the MCU to register with a SIP registrar and to send service information to the registrar, perform these steps:

a. Select **Use registrar**.



b. Enter the following information:

- The IP address or the host name of the SIP registrar in the **IP address** field.
- The communication port number of the SIP registrar address.
- The transport connection type for sending registration requests to the registrar according to the type supported by the SIP registrar.

  The default is UDP.

Step 7 Select **More**.

The Local signaling port section is displayed.

Figure 4-7 Local signaling port Section

Step 8 Enter the number of the signaling port on which the MCU communicates with the SIP server.

The default is 5060.

Step 9 Select **Use proxy digest authentication** to enable MCU authentication with a SIP server using user name and password.

Authentication is performed as defined in RFC 2617. This field is disabled by default.

Enter the MCU user name and password. They must match those defined on the SIP server.

Step 10 Select **Use registrar digest authentication** to enable MCU authentication with a SIP registrar using user name and password.

Authentication is performed as defined in RFC 2617. This field is disabled by default.

Enter the MCU user name and password. They must match those defined on the SIP server.

Step 11 Select **Use 'Empty Invite' when sending Invite messages to endpoints** to enable the remote endpoint to indicate preferred audio and video channels.

Step 12 Select **Apply**.

Step 13 Check the MCU status using the MCU Administrator interface:

a. Enter the MCU IP address or the MCU name into the Internet browser.

b. Enter the Administrator user name and password in the appropriate fields and select **Go**.

   The default global user name is admin. The default password is password.

   The Status tab of the Administrator interface opens.

c. Locate the **Status Map** section. This section a graphic representation of the MCU chassis

d. Verify that the MCU is connected to the Ethernet.

e. If you registered the MCU with SIP registrar, verify that the MCU is connected to the SIP Server.

Configuring a Dual-NIC MCU

The SCOPIA Elite MCU can be configured to work as a dual-NIC device, improving security by enabling the management data to be on a separate subnet from the media and signaling.

Media refers to the actual content of the video call: audio, video and data presentations. Management data refers to messages of coordination, control and monitoring, like between your web browser and the MCU for configuration, or between the MCU and the SCOPIA iVIEW Management Suite for call coordination. Management signals are sent in protocols like HTTP, XML, SNMP and so on.

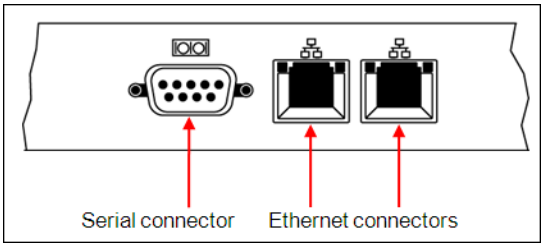
Separating these types of data on different subnets improves security because management data typically remains on subnets within the enterprise, while the media of video calls is often required to traverse firewalls and reach endpoints outside the enterprise.

Dual-NIC functionality requires two subnets, where each subnet must have its own router or default gateway.

Procedure

Step 1 Connect the network cable of the management subnet to the left ethernet port only, and activate the unit.

Figure 4-8 Two ethernet connectors of the SCOPIA Elite MCU



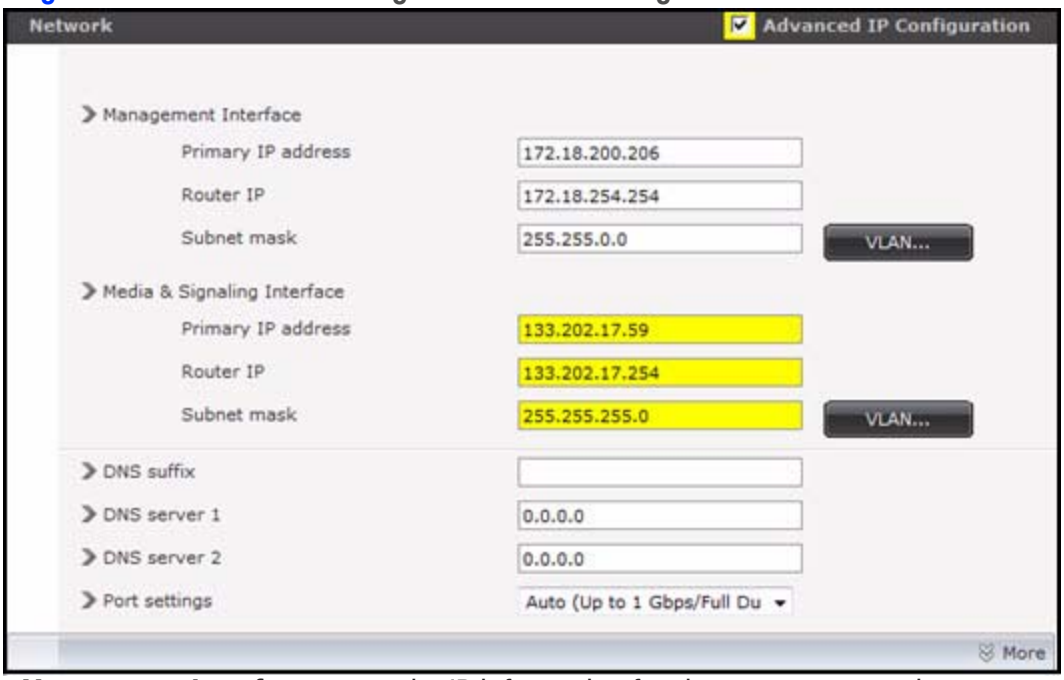
Note: Do *not* connect the media subnet cable until the MCU has been reset at the end of this procedure.

Step 2 Access the MCU in a web browser and login.

Step 3 Select the **Configuration** Configuration tab.

Step 4 Select the **Advanced IP (Dual-NIC) Configuration** check box to expand that section of the page.

Figure 4-9 Dual-NIC configuration for management and media subnets



Step 5 Under **Management Interface**, enter the IP information for the management subnet:

a. Enter the MCU's IP address on the management subnet in the **Primary IP address** field.

b. Enter the IP address of the management subnet's router in the **Router IP** field.

Note: The router IP address on this subnet must be distinct from the router on the media subnet. If both cables are connected to the same router, you must use the MCU's VLAN functionality to send both media and management data to the same router. It will then route the media and management data to different virtual subnets (or VLANs). For more information on VLAN functionality, see the online help.

Step 6 Enter the IP information for the media and signaling subnet in the **Media and Signaling Interface** section.

Step 7 Select **Apply** at the bottom of the page.

Step 8 The system restarts, terminating any live conferences. Select **Yes** to restart.

Step 9 Connect the cable for the media and signaling subnet to the right-hand ethernet port.

Note: To access the management interface from an additional subnet to the one mentioned above, select the **More** button at the bottom of the expanded section (Figure 1-2 on page 2), to open the **Additional Management Networks** section. Enter the **IP address** of the additional subnet's router.

About RADVISION

RADVISION (NASDAQ: RVSN) is the industry's leading provider of market-proven products and technologies for unified visual communications over IP and 3G networks. With its complete set of standards based video networking infrastructure and developer toolkits for voice, video, data and wireless communications, RADVISION is driving the unified communications evolution by combining the power of video, voice, data and wireless – for high definition video conferencing systems, innovative converged mobile services, and highly scalable video-enabled desktop platforms on IP, 3G and emerging next generation networks. For more information about RADVISION, visit www.radvision.com

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